



Title: PROBES FOR CHONDROGENESIS  
Inventor: Hering, Thomas M.; Serial Number: 10/623,914  
Attorney Docket Number: 27708/04065  
REPLACEMENT SHEET

Fig. 3

Sequence of CZF-1 (cDNA)

50  
AATGGAGCGAAGACCATGGGACTGAGTACACAGATGAAGACACAGAAC  
100  
ATAGAGAGGATAAGTAATCACTAGCAAGTGGAAAGAACCGGGATTCA  
150  
CAGAACAGGCTGACTCCAGAGTCACTGGCTGTATGTAGTTCC  
200  
ACTGCCTCAGCTCTACAATCCCAGAGTAAAGCTCTCCAAATGAAGAG  
250  
CCAGGAAGAGGTAGAGGTGGCAGGAATTAAACTTGTAAAGCCATGT  
300  
TGGGTTCACTGACTTCACAGATGTGCCATAGACTTTCCAAGATGAA  
350  
TGGGAGTGGCTGAATCTGCTCAGAGAAGTTGTACAAGAAGGTGATGTT  
400  
AGAAAACACAGGAACCTAGTTCACTGGGTCTTCATTCTAAACCAG  
450  
ATGTGATCTCCTTACTGGAGCAAGAGAAAGACCCTGGGTGATA  
500  
GGGATGAACAGAGGCCTGTGCCAGACTGGAGTGTGTGGGTGACCAA  
550  
ATCATTATCTTAAACCAGGATATTATGAAGAAAATTACCCCCGGCAA  
600  
TCATAATGGAAAGACTAAAAGCTATGACCTTGAATGTTAACATTAGGG  
650  
AAAAACTGGAAATGTGAAGACTTGTGAGAGGGAGCTGTAAACCAGAA  
700  
GACACATTAGGCAAGAGACCATCACTCATATAGATACTCTTATTGAAA  
750  
AAAGAGATCACTCTAACAAATCTGGACAGTTTCATCTGAATACATTA  
800  
TCTTATATAAACAGATTTCCATGGAAGAGAGAATATTAATTCA

Fig. 3 (con't)

850  
TACAGATAAGAAAAGCTTAAAAACACATTCAAGTTGTGAAAAAACACAAGC  
900  
AAGACCGTGGAGAAAAGAAACTTTAAAATGTAATGACTGTGAGAAAATA  
950  
TTCAGCAAAATCTCAACCCTACTCTCACCAAAGAATTACAGGGAGA  
1000  
GAAACCCTATGAATGTATTGAATGTGGAAAGGCCTTAGCCAGAGTGC  
1050  
ACCTTGCTAACATCAGAGAACACACAGGGAGAAAACCTTTGAATGT  
1100  
ACTGAATGTGGAAAGCCTTCAGCCAGAACATGCTCATCTGTTAACACCA  
1150  
GAGAGTTCATCTGGAGAGAACCTTATCAGTGTAAAGCAGTGTAAATAAG  
1200  
CATTCAAGCCAGCTTGCACACCTTGCTAACATCAGAGGGTCCACACTGGA  
1250  
GAGAAACCCTATGAATGTATTGAATGTGGGAAGGCTTTAGTATTGCTC  
1300  
ATCCCTAGCTCATCGAAGGATTCACACTGGAAAAGACCTTATGAAT  
1350  
GTATTGACTGTGGAAAGCTTCAGGCAGAACATGCTCTCTTACGT  
1400  
CGGCGATATTATCATACTGGAGAGAACCTTGACTGTATTGATTGTGG  
1450  
GAAGGCTTCACTGATCACATAGGACTTATTCAAGCATAAGAGAATT  
1500  
CTGGAGAGAGACCTTACAAATGTAATGTGTGGGAAGGCTTTAGCCAT  
1550  
GGCTCATCTCTGACAGTACATCAGAGAACATTACAGGAGAGAACCTTA  
1600  
TGAATGCAATATCTGTGAGAAAGCCTTCAGCCATCGTGGGTCTTTACTC



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Fig. 3 (con't)

1650  
TTCATCAGAGAGTTCATACTGGAGAGAAACCTATGAATGTAAAGAATGT  
1700  
GGGAAAGCTTCGGCAGAGCACGCATCTGGCTCATCATCAGAGAATTCA  
1750  
TACTGGAGAGAAACCTTATGAATGTAAGGAATGCAGCAAAACCTTCAGCC  
1800  
AGAATGCACACCTCGCGCAGCATCAGAAAATACACACTGGGGAGAACCT  
1850  
TATGAATGTAAGGAACGTGGTAAGGCCTTCAGTCAGATTGCACACCTTGT  
1900  
TCAGCACCAAGAGAGTTCATACTGGTGAGAAGCCTACGAATGTATTGAAT  
1950  
GTGGGAAGGCCTTTAGTGATGGCTCATATCTTGTCAACATCCGAGACTC  
2000  
CACAGTGGCAAAAGACCGTATGAATGTCTGAATGTGGGAAGGCATTCA  
2050  
GCAGAGGGCATCCTGATTGTCATCAGAGATGTCAACTGGTGAGAAC  
2100  
CTTATGAATGTAATGTTGTGGAAAGCCTTAGCCATCGTAAATCCCTT  
2150  
ACTCTGCATCAGAGAATTCAACAGGAGAGAAACCTTATGAGTGTAAGGA  
2200  
ATGTAGCAAAGCCTTCAGCCAGGTTGCCATCTTACTCTACATAAGAGAA  
2250  
TTCATACTGGAGAAAGGCCATGAGTGTAAAGAATGTGGAAAAGCCTTC  
2300  
AGGCAGAGTGTACATCTGCTCATCAGCGAATTCAACCGGAGAGTC  
2350  
ATCAGTTATTCTCTCCTCTGCCCTCCATACCAAGTCCTATAGATTCA  
2400  
AATCTCGTAAATGCTTCTAGCATCCATCTGCTTTTCCAGCACATGTCC



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Fig. 3 (con't)

2450  
CATCATCATAGTCCAAGACGCAACCATCTCATCTGGATTCAGTAGC  
2500  
ATAACTGTTGCCCTTTGCTTCTATCAACTACATGTTAACACTGTAGG  
2550  
CAGCCTAACCTTTAAAAATAAAACATAATTATGTTATTTCCCAT  
2600  
TTAAAAACACTTGATTGAAAAATATATTAACTAATCCATTCAGGATT  
2650  
AGCACACACTGGCATATAGTTATTGCTAAATAATGCTAGCCATTAAGGT  
2666  
AAAAAAAAAAAAAAA



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Fig. 5

Sequence of CZF-2 (cDNA)

50  
GGGAGTTCTTGCAATTCCAGAACCATGACTGATGGGTTGGTGACATTAG  
100  
GGATGTGGCCATCGACTTCTCTCAGGAGGAGTGGGAATGCCTGGACCCCTG  
150  
CTCAGAGGGACTTGTACGTGGATGTAATGTTGGAGAACTATAGTAACCTG  
200  
GTGTCACTGGATTGGAGTCAAAACGTATGAGACCAAAAAATATTTTC  
250  
AGAAAAATGATATTTTGAATAAATTTCCCAGTGGGAGATGAAGGACA  
300  
AAAGTAAAACCCTTGGCCTTGAGGCATCCATCTCAGAAATAATTGGAAG  
350  
TGCAAAAGCATATTCGAGGGACTAAAGGACATCAAGAGGGATACTTCAG  
400  
TCAAATGATAATCAGCTATGAAAAAACCTTCTTACAGAAAAAGTAAAT  
450  
CTCTTACTCCACATCAAAGAATTCAAATACAGAGAAATCCTATGTTGT  
500  
AAGGAATGTGGGAAGGCTTGCAGTCATGGCTAAAACCTGTTCAACATGA  
550  
GAGAACTCATACAGCTGAAAAGCACTTGAATGTAAGAATGTGGGAAGA  
600  
ATTATTTAAGTGCCTATCAAATGTGCATCAGAGATTCTACTGGT  
650  
GAGAAACCTATGAGTGTAAAGGAATGTGGGAAGACCTTAGCTGGGATC  
700  
AAGCCTTGTAAACATGAGAGAATTCAACTGGTGAGAAACCTATGAAT  
750  
GTAAAGAATGTGGGAAGGCCTTAGTCGTGGCTATCACCTAACCAACAT  
800  
CAGAAAATTCAATTGGTGTGAAATCTTATAAATGTAAGGAATGTGGGA

Fig. 5 (con't)

850  
GGCCTTTTGGGGCTCAAGCCTGCTAACATGAGATAATTACAG  
900  
GTGAGAACCTTATAAATGTAAAGAATGTGGGAAGGCCTTCAGTCGTGGC  
950  
TATCAACTTACTCAGCATCAGAAAATCCATACTGGTAAGAACCTTATGA  
1000  
ATGTAAAATATGTGGAAAGGCTTTGTTGGGCTATCAACTTACTCGAC  
1050  
ATCAGATATTCATACTGGTGAGAAACCCTATGAATGCAAGGAATGTGGG  
1100  
AAGGCTTTAATTGCGGATCAAGTCTTATTCAACATGAAAGAATTCAAC  
1150  
TGGTGAGAACCTTATGAATGTAAAGAATGTGGAAAGGCCTTAGTCGTG  
1200  
GCTATCACCTTCTAACATCAGAAAATCCATACTGGTGAGAAACCTTT  
1250  
GAATGTAAGGAATGTGGGAAGGCCTTAGTTGGGTTCAAGCCTGTTAA  
1300  
ACATGAGAGAGTTCATACTGGTGAGAAATCCATGAATGTAAAGAATGCG  
1350  
GAAAGACCTTTGTAGTGGGTATCAACTTACTCGACATCAGGTATTCAC  
1400  
ACTGGTGAGAACCTATGAATGTAAGGAATGTGGGAAGGCTTTAATTG  
1450  
TGGATCAAGCCTTGTCAACATGAAAGAATCCATACAGGGGAGAAACCCT  
1500  
ATGAATGTAAGAATGTGGAAAGGCTTTAGTCGTGGCTATCACCTTACTC  
1550  
AACATCAGAAAATTACCGGTGAGAAACCTTCAAATGTAAGGAATGT  
1600  
GGGAAGGCCTTCAGTTGGGTTCAAGCCTAGTTAACATGAGAGAGTCCA



Fig. 5 (con't)

1650  
TACTAATGAGAAGTCTTATGAATGTAAAGACTGTGGGAAGGCCTTGGTA  
1700  
GTGGCTATCAACTTAGTGGTTCATCAGAGATTTCATACTGGTGAGAAGCTT  
1750  
TATCAACATAAGGAATTGGAGACCTTACTCGTGGCTAAAACATTGT  
1800  
TCATGAGAGAACTCATAGTAATGATAAACCCCTACAAATATAACGAATGTG  
1850  
GGGAAGCCTTCTGTGGACAACTTACTCAAATGAGAAAATTGATACTGAT  
1900  
GAAACCTTATGATTGAAAGTTGTAAAAGAATATTTGTGTGCGTATAG  
1950  
ACAACCTTATCATAATAAGAACTCTTACTCTTGAGAACCTTGTGAATGTA  
2000  
AGGGTTGTGCAAAAGCCATTCAATTCTGTATGGCAATTATCTTGCTA  
2050  
TCCAGCAATTCAACTAGTGAGAAATATTTGAATATAATTATGAAA  
2100  
AGGCCTTAGACTCTGTACAGTCTTATTGGATATCAATTATACTGATG  
2143  
TAAAATCATTAAATGAAAAAAAAAAAAAAAAAAAAAA